

## Cumulative contents of Volume 66

### Volume 66, No. 1, April 1998

#### Papers

D. Boss, B. Jelonck and K.-D. Kammeyer Eigenvector algorithm for blind MA system identification .....	1
O. Besson and P. Stoica Exponential signals with time-varying amplitude: Parameter estimation via polar decomposition .....	27
P. Stoica, A. Jakobsson and J. Li Matched-filter bank interpretation of some spectral estimators .....	45
Q. Cheng and Y. Hua Consistency of two detection techniques using single measurement of data .....	61
R. Cusani, E. Baccarelli and S. Galli Equalization of twisted-pair channels via optimum filtering and noise prediction .....	79
T.-B. Deng Design of arbitrarily variable 2-D digital filters using array–array decomposition .....	95
A.S. Kayhan Representation and analysis of complex chirp signals .....	111
<b>Book alert</b> .....	117
<b>Book review</b> .....	119

### Volume 66, No. 2, April 1998

#### Special Issue on Video Sequence Segmentation for Content-based Processing and Manipulation

*Guest Editors: Philippe Salembier and Touradj Ebrahimi*

T. Ebrahimi and P. Salembier Editorial .....	123
P. Correia and F. Pereira The role of analysis in content-based video coding and indexing .....	125
J.-M. Odobez and P. Bouthemy Direct incremental model-based image motion segmentation for video analysis .....	143
L. Garrido, P. Salembier and D. Garcia Extensive operators in partition lattices for image sequence analysis .....	157
J. Benois-Pineau, F. Morier, D. Barba and H. Sanson Hierarchical segmentation of video sequences for content manipulation and adaptive coding .....	181
R. Mech and M. Wollborn A noise robust method for 2D shape estimation of moving objects in video sequences considering a moving camera .....	203
A. Neri, S. Colonnese, G. Russo and P. Talone Automatic moving object and background separation .....	219
E. Steinbach, P. Eisert and B. Girod Motion-based analysis and segmentation of image sequences using 3-D scene models .....	233

P.M. Antoszczyszyn, J.M. Hannah and P.M. Grant	
Tracking of the motion of important facial features in model-based coding .....	249
B. Günsel, A.M. Tekalp and P.J.L. van Beek	
Content-based access to video objects: Temporal segmentation, visual summarization and feature extraction .....	261

### Volume 66, No. 3, May 1998

#### Special Issue on Watermarking

Guest Editors: Benoit Macq and Ioannis Pitas

B. Macq and I. Pitas	
Editorial .....	281
F. Hartung and B. Girod	
Watermarking of uncompressed and compressed video .....	283
J.J.K. Ó Ruanaidh and T. Pun	
Rotation, scale and translation invariant spread spectrum digital image watermarking .....	303
J.F. Delaigle, C. De Vleeschouwer and B. Macq	
Watermarking algorithm based on a human visual model .....	319
M.D. Swanson, B. Zhu, A.H. Tewfik and L. Boney	
Robust audio watermarking using perceptual masking .....	337
M. Barni, F. Bartolini, V. Cappellini and A. Piva	
A DCT-domain system for robust image watermarking .....	357
A.Z. Tirkel, C.F. Osborne and T.E. Hall	
Image and watermark registration .....	373
N. Nikolaidis and I. Pitas	
Robust image watermarking in the spatial domain .....	385
Author index of Volume 66 .....	405
Cumulative contents of Volume 66 .....	407

